

What is claimed is:

1. A foldable tent wherein a covering is supported by a plurality of poles and a plurality of frames connected to the poles,

wherein the frames are comprised of a plurality of outer peripheral frames that define the outer peripheral shape of the frames and a plurality of reinforcement frames disposed inside of which the outer peripheral frames surround, and

the outer peripheral frames are disposed on the upper portion of the poles to link the neighboring poles and form a polygon at least with each of the poles positioning at the vertexes of the polygon in a plan view, each of the poles being provided with the reinforcement frame facing towards a direction of the center of the polygon, and

a center pole is provided at the center of the polygon and is supported by the reinforcement frames,

wherein each of the outer peripheral frames and each of the reinforcement frames is comprised of two pairs of combined pipe units, at least one intersecting point being formed at each of the pipe units, one of the pipe units and the other pipe unit being joined at the intersecting points to allow rotation, the outer peripheral frames and the reinforcement frames being foldable by changing the angle of the pipe units, and

the covering is supported by the poles, the outer peripheral frames and the reinforcement frames.

2. The foldable tent as set forth in claim 1, wherein the outer peripheral pipe units on the outer peripheral frames are comprised of a plurality of unit pipe bodies connected at a folding point to allow rotation,

each of the outer peripheral pipe units being formed with at least two intersecting points and with a folding point formed in the manner to be sandwiched by the intersecting points,

at the intersecting points, the unit pipe bodies of one of the outer peripheral pipe units and the other outer peripheral pipe unit being connected to allow rotation, while the outer peripheral frames being foldable at the folding points,

wherein the reinforcement pipe units on the reinforcement frames are comprised of a plurality of unit pipe bodies connected at a folding point to allow rotation,

each of the reinforcement pipe units being formed with at least two intersecting points and with a folding point formed in the manner to be sandwiched by the intersecting points,

at the intersecting points, the unit pipe bodies of one of the reinforcement pipe units and the other reinforcement pipe unit being connected to allow rotation, while the reinforcement frames being foldable at the folding points,

wherein the connection point on the upper side of the reinforcement pipe units with respect to the center pole is at a higher position compared to the connection point on the lower side of the reinforcement pipe units with respect to the poles in construction of the tent on a horizontal surface.

3. The foldable tent as set forth in claim 2, wherein the reinforcement pipe units on the reinforcement frames are comprised of a plurality of unit pipe bodies connected at the folding point to allow rotation, and at least one of the unit pipe bodies is disposed level or aslant downward to the direction of the center in construction of the tent on a horizontal surface.

4. The foldable tent as set forth in claim 1, wherein, regarding the connection between the poles and the reinforcement frames and the connection between the center pole and the reinforcement frames, the connections are respectively made at two connection points,

one of the two connection points being allowed to slide upward and downward as well as to rotate, while the other connection point being not allowed to slide upward and downward but to rotate, and

regarding the sliding length in the upward and downward direction at one of these two connection points, the length on the pole side is larger than the length on the center pole side.

5. The foldable tent as set forth in claim 1, wherein, regarding the connection between the poles and the reinforcement frames and the connection between the center pole and the reinforcement frames, at least one of the connection points for the reinforcement frames is supported to have play that allows movement in the direction to intersect the poles or to intersect the center pole.

6. The foldable tent as set forth in claim 1, wherein the outer peripheral shape defined by the outer peripheral frames is a rectangle formed by two opposing long sides and two short sides disposed at both ends of the long sides.

7. The foldable tent as set forth in claim 1, wherein, regarding the connection between the poles and the reinforcement frames and the connection between the center pole and the reinforcement frames, the reinforcement frames are supported at least one of the connection points on the pole side and on center pole side to have play for movement within a specified range in the substantially periphery direction on the basis of the poles or on the center pole.

8. The foldable tent as set forth in claim 7, wherein each of the pipe units is comprised of a plurality of unit pipe bodies, and, regarding the unit pipe bodies that are supported to have said play with respect to the poles or the center pole, the supporting is made via a bracket provided on the poles or the center pole, the bracket having an inner surface on one side and an opposing inner surface on the other side, between which a terminal connection member of the unit pipe body is disposed,

wherein the unit pipe body is pivotally supported by a support pin disposed between the inner surfaces of the bracket to allow rotation around the support pin,

the terminal connection member of the unit pipe body having a tapering wedge shape, on one side of the terminal connection member being provided a parallel surface that is parallel to the longitudinal direction of the unit pipe body, on the other side of the terminal connection member being provided a flat sloping surface that diminishes the distance between the parallel surface and the face as it goes towards the terminal side,

wide holes being formed on the terminal connection member in the vertical direction with respect to the parallel surface, penetrating the terminal connection

member, and extending in the longitudinal direction of the unit pipe body,

wherein the terminal connection member is movable with respect to the bracket within a range from a status where the inner surface of the bracket and the parallel surface touch, while there is a gap between the inner surface on the other side and the sloping surface of the terminal connection member, to a status where there is a gap between the inner surface of the bracket and the parallel surface of the terminal connection member, while the inner surface on the other side and the sloping surface of the terminal connection member touch.